UK Service Provider Installs Smart Metering Solutions from RMG by Honeywell

“Thanks to Honeywell’s Smart Metering solutions we were able to offer our customers the solution that will help drive reduced energy consumption. We now have the capability for a complete turnkey operation – product, data collection, processing and reporting of our meters – that saves time and money.”

Background
European Union member countries continue to deregulate energy gas distribution markets, in turn driving the demand for Smart Metering and Automated Meter Reading (AMR) solutions. Commercial and industrial market participants need timely interval gas consumption data to support accurate gas nominations (purchase contracts) as there are financial penalties for not taking all contracted supply, or for taking more than what was nominated – all resulting in unplanned expenses.

The British government recently announced that it wants all UK homes to have smart meters (including gas) by 2020. The Climate Act of 2008 directs at reducing UK’s greenhouse gases by 80% by 2050. With an estimated 22 million gas meters in existence, this represents an opportunity for Smart Metering solutions, since they have a definite performance/cost advantage over other fixed or mobile radio AMR solutions. In addition, the government has a directive called “20-20-20 by 2020” which is targeting a 20 percent reduction of overall Greenhouse Gas Emissions by the year 2020, raising the share of EU energy consumption produced from renewable resources to 20% and a 20% improvement in the EU’s energy efficiency. Measuring and allocating gas consumption is an important part of this strategy.

Benefits
As this market for new Smart Metering solutions continues to explode, a UK-based company providing metering services to energy suppliers and industrial and commercial (I&C) end-users, looked to take full advantage of this opportunity by equipping its clients with the best of breed Smart Metering/AMR solutions available today. After a competitive review, the company selected to work with RMG by Honeywell, which has one of the few field-proven end-to-end cellular Smart Metering/AMR solutions.

The service provider wanted to license and operate the end-to-end solution internally and Honeywell was the only provider to be able to satisfy this need. Honeywell will install more than 10,000 units over the course of the project. With the Smart Metering/AMR solutions from Honeywell, the end-users will realize the following benefits:

- Improved portability while lowering overall installation and operational costs since there are no wires to maintain
- Tight integration into Honeywell’s meter data management system provides needed information for energy management used for billing, trading, distribution, etc.
- Data collection software suite allows for easy user interaction to manage remote monitoring and data management
- Turnkey service ensures successful end-to-end solution
**Challenges**
As deregulation in the energy gas distribution market continues to explode, the metering service provider knew it was time to offer a next-generation solution that could serve this burgeoning market. In addition, the British government had its own directives with all homes being required to have "smart" meters to help regulate, track and measure usage.

The company wanted to license and work with a provider that could provide the proven expertise and experience in the actual installation of Smart Meters.

**Solution**
After reviewing several suppliers, Honeywell – a proven leader in Smart Metering solutions, was selected. As the only supplier with a field-tested, turnkey solution, Honeywell provided the gas Smart Metering solution with AMR touch points and meter data management (MDM) software for installation at commercial and industrial gas meters throughout the UK. The Honeywell units are installed and connected to gas meters, recording and transmitting gas consumption data over the GSM cellular network to Honeywell’s connected application which manages the data collection, processing and reporting of all the meter reading and load profile data.

Honeywell’s solution also adds significant value to the service provider’s ability to successfully measure for billing, trading, load management, distribution engineering and custody transfer. The solution provides portability while lowering overall operations and installation costs by having no wireline to install or maintain.

Honeywell’s extensive experience and references with similar projects in North America and the UK was one of the reasons for selecting Honeywell. Other factors were the comfort level derived from the field trials conducted prior to the project start, and the fact that local onsite support was available.

RMG by Honeywell is a trusted single-source supplier for all gas metering and regulating needs of industrial users. With more than 200 years of experience and expertise its knowledge is unmatched in the gas industry – setting the de facto standard for reliability and quality.

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**More Information**
For more information on Honeywell’s Products, Services, or Solutions, visit our website www.honeywellprocess.com, or contact your Honeywell account manager.

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